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AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A modified viral particle comprising at least a partially delipidated viral particle; wherein the partially delipidated viral particle:

initiates a positive immune response in an animal or human patient; and, incites protection against an infectious organism; and

comprises at least one exposed epitope not usually presented to an immune system of the animal or the human by a non-delipidated viral particle.

2. (Currently amended) The modified viral particle of claim 1, wherein the modified viral particle is immunodeficiency virus, hepatitis or pestivirus.

1.

- 3-27. (Cancelled)
- 28. (New) The modified viral particle of claim 2, wherein the immunodeficiency virus is SIV or FIV.
- 29. (New) The modified viral particle of claim 2, wherein the immunodeficiency virus is HIV.
- 30. (New) The modified viral particle of claim 29, wherein the HIV is HIV-1 or HIV-2.
- 31. (New) The modified viral particle of claim 1, wherein the at least one exposed epitope is a gag, p6 gag, gp66, gp41, p27, or env epitope.

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- 32. (New) The modified viral particle of claim 1, wherein the at least one exposed epitope comprises a peptide selected from the group consisting of SEQ ID NO:1 to SEQ ID NO:122.
- 33. (New) The modified viral particle of claim 1, wherein the modified viral particle has a lower lipid content in a viral envelope as compared to the non-delipidated particle.
- 34. (New) The modified viral particle of claim 1, wherein one or more protein on, in, or near the surface of the partially delipidated viral particle is conformationally changed as compared to one or more protein on, in, or near the surface of the non-delipidated viral particle.
- 35. (New) The modified viral particle of claim 1, wherein an antigenic core of the modified viral particle remains intact as compared to the non-delipidated viral particle.
- 36. (New) The modified viral particle of claim 1, wherein the modified viral particle retains over 90% of major protein constituents compared to the non-delipidated viral particle.
- 37. (New) The modified viral particle of claim 36, wherein the major protein constituents of the modified viral particle comprise gag or env proteins.
- 38. (New) The modified viral particle of claim 1, wherein the modified viral particle retains at least one immunoreactive protein.
- 39. (New) The modified viral particle of claim 1, wherein the at least one immunoreactive protein is selected from the group consisting of p24, gp41 and gp120.
- 40. (New) The modified viral particle of claim 39, wherein the modified viral particle comprises at least one exposed patient specific antigen that was not exposed in the non-delipidated viral particle.

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41.

The modified viral particle of claim 1, wherein the modified viral

particle is produced by exposing the non-delipidated viral particle to a delipidation process.

42. (New) The modified viral particle of claim 41, wherein the delipidation

process comprises:

contacting a lipid-containing viral particle in a fluid with a first organic solvent

capable of extracting lipid from the lipid-containing viral particle;

mixing the fluid and the first organic solvent for a time sufficient to extract lipid from

the lipid-containing viral particle;

permitting organic and aqueous phases to separate; and,

collecting the aqueous phase containing the modified viral particle with reduced lipid

content wherein the modified viral particle with reduced lipid content is capable of

provoking a positive immune response when administered to the animal or the

human.

43. (New) The modified viral particle of claim 42, wherein the delipidation

process further comprises:

contacting the aqueous phase with a de-emulsifying agent capable of removing the

first organic solvent; and,

separating the de-emulsifying agent and the removed first organic solvent from the

contacted aqueous phase.

44. (New) The modified viral particle of claim 44, wherein the first organic

solvent is an alcohol, an ether, an amine, a hydrocarbon, an ester, a surfactant, or a

combination thereof.

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- 45. (New) The modified viral particle of claim 44, wherein the ether is C4 to C8 ether and the alcohol is a C1 to C8 alcohol.
- 46. (New) The modified viral particle of claim 43, wherein the de-emulsifying agent is an ether.
- 47. (New) The modified viral particle of claim 1, further comprising a pharmaceutically acceptable carrier.